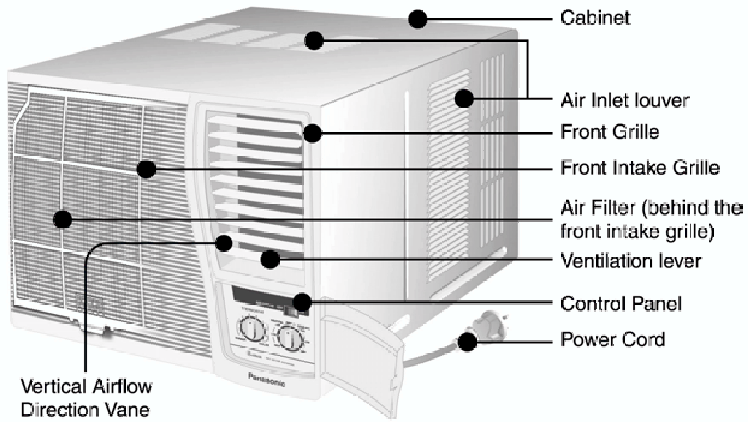
7 Operating Instructions

7.1. Main Unit



7.1.1. Vertical Airflow Direction Vane.

Airflow direction adjustment Up-and-Down.

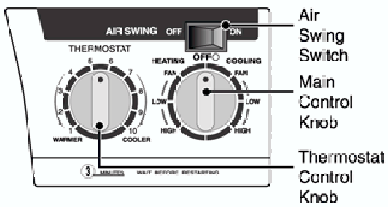
- The vertical airflow direction vane may be positioned to deflect the air upwards, downwards or straight on.

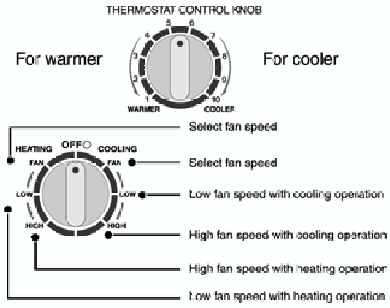
7.1.2. Ventilation Lever.

When the slide lever is in the:

- "OPEN" position, the ventilation door is opened to allow air, smoke and odors to be expelled from the room.
- "CLOSE" position, the ventilation door is closed and the air inside the room is circulated and conditioned.

7.1.3. Main Control Knob





7.1.4. Operation Conditions.

Use the air conditioner under the following conditions:

- Operating temperature range.

		Indoor side		Outdoor side	
		D.B.T.	W.B.T.	D.B.T.	W.B.T.
Cooling	Maximum Temperature	32°C	23°C	43°C	26°C
	Minimum Temperature	21°C	15°C	21°C	15°C
Heating	Maximum Temperature	27°C	----	21°C	15°C
	Minimum Temperature	20°C	----	-5°C	-6°C

D.B.T.: Dry Bulb Temperature

W.B.T.: Wet Bulb Temperature

Note: Humidity may exceed 90%.

– Continuous operation at humidity may create condensation and result in water drops on the intake and outlet vanes

7.2. How to Operate

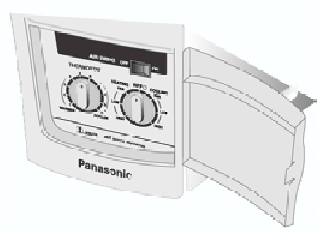


Fig. 1

(1) Open the Control Panel Cover.

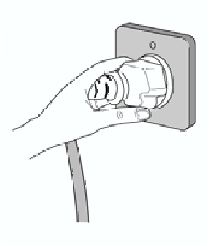


Fig. 2

(2) Power Supply

Switch off the breaker and set the Main Control Knob to the OFF position before plugging the power plug into an electrical outlet.

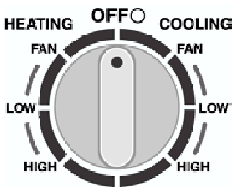


Fig. 3

(3) Main Control Knob

Set to LOW COOLING or HIGH COOLING and LOW HEATING or HIGH HEATING as desired. (FAN setting operates the fan only.)

Caution: If the Main Control Knob is turned off or changed to a fan setting from a cooling operation setting, WAIT at least 3 minutes before resetting to cooling operation.

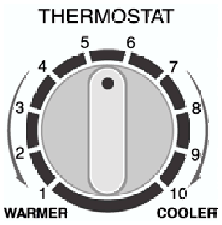


Fig.4

(4) Thermostat Control Knob.

- If the room temperature is not as desired after a reasonable period, turn the thermostat control knob clockwise to make the room cooler or counter clockwise to make the room warmer.
- When the thermostat control knob is set to 10, moisture may freeze onto the evaporator fins and prevent effective cooling. If this happens, turn the main control knob to FAN and the thermostat control knob counter clockwise. This will quickly defrost the evaporator fins so that normal cooling can be resumed.

NOTE: Usually 4-5 is the recommended setting for heating and 6-7 is the recommended setting for cooling.

Fig. 5

(5) Air Swing Switch.

(Airflow direction adjustment side-to-side)

To obtain a fix airflow direction, set the Air Swing Switch to “ON” for the vanes to swing from side to side until the desired flow direction is reached, then switch it to “OFF”.

For continuous side-to-side air circulation, set the Air Swing Switch to “ON”.

8 Installation Instructions

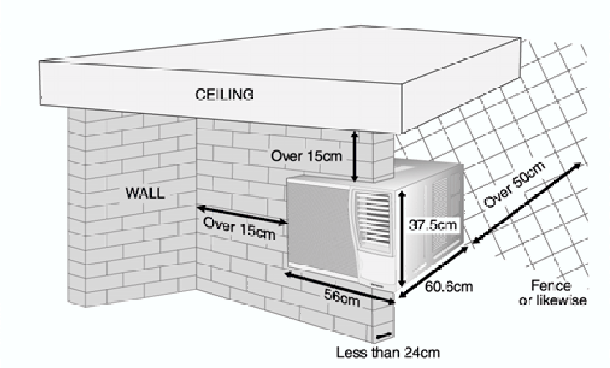
8.1. Choosing the Installation Location

- When installing, use the nearest power outlet. Make sure the power outlet is easy to reach so you can quickly disconnect your air conditioner in case of emergency.
- Ensure that the air conditioner is well supported, securely fastened, easily reachable and not obstructed.
- Avoid locations with: salty or sulphurous air, draughts, dampness and flammable gas.
- If you install the drainage system, be sure to channel the condensed water to a suitable location
- Covers, obstructions and unsteady support may cause excessive operating noise and vibration.
- The rear end of the air conditioner is splash proof. You need not shield or cover it.

8.2. Preparation for Installation

DIMENSION

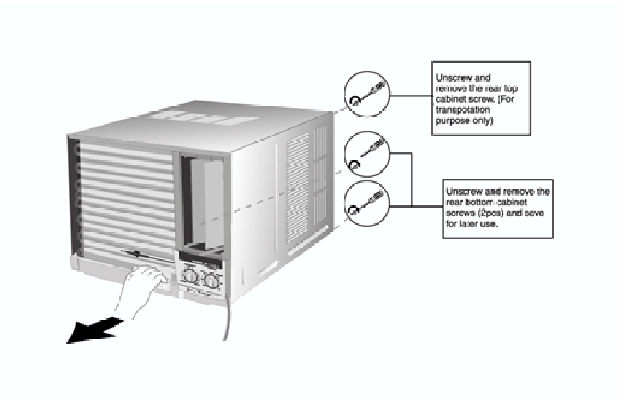
- There should not be any obstacles surrounding the unit.
- Prepare an installation hole slightly bigger than the cabinet size.
- Left and right sides of the unit should be at least 15cm away from the wall



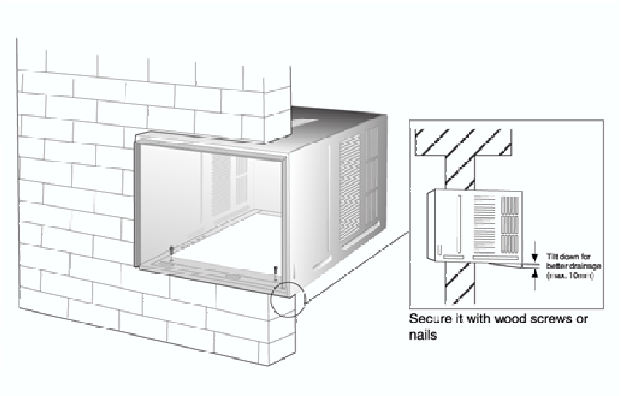
8.3. Installation Procedure

8.3.1. Installation Procedures

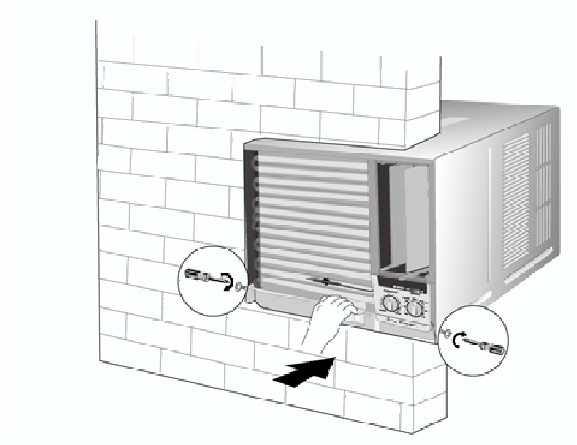
- Remove the screws from the rear cabinet.
- Slide the chassis out from the cabinet.



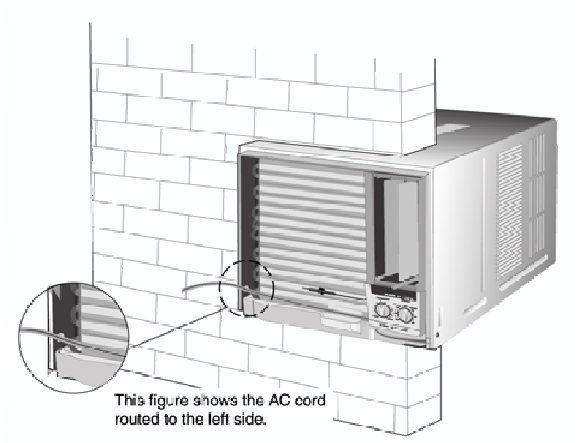
- Place cabinet into the installation hole.



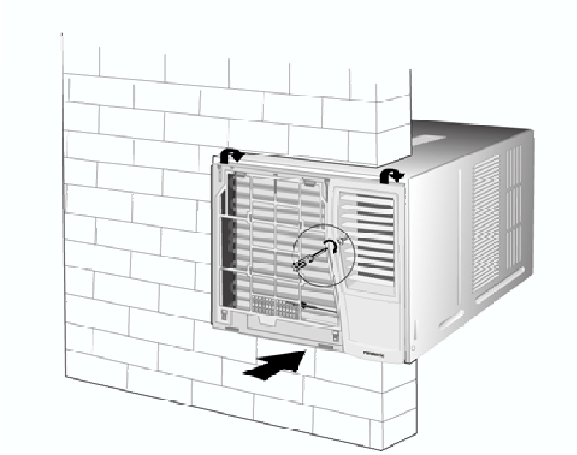
- Slide the chassis into the cabinet.
- Reinstall the cabinet screws. Secure the cabinet to chassis by using screws (from rear cabinet).



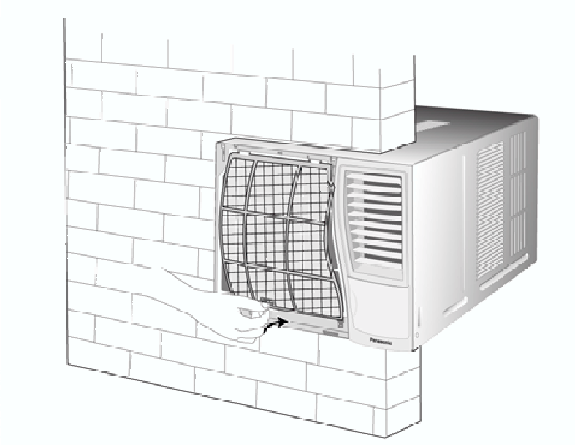
Depending upon the location of the AC outlet, route the AC cord to either the left or right side while installing the front grille.



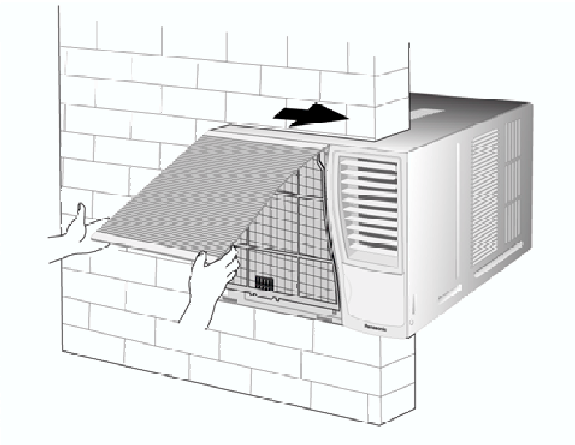
- Place the front grille on the cabinet first. Secure the front grille to the main chassis using screw provided.



- Attach the air filter to the front grille.



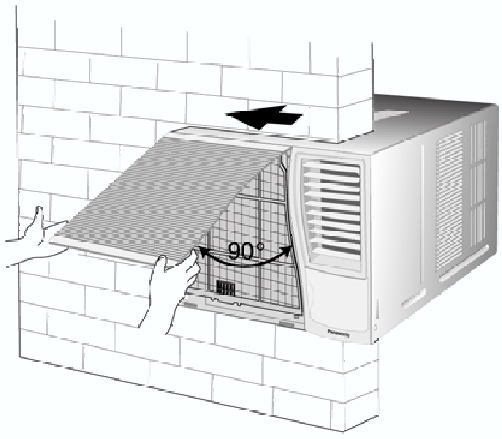
- Slide the front intake grille slightly to the right to reattach the tabs and then push it down to close tight



8.3.2. Remove the Front Grille.

- Remove the front intake grille

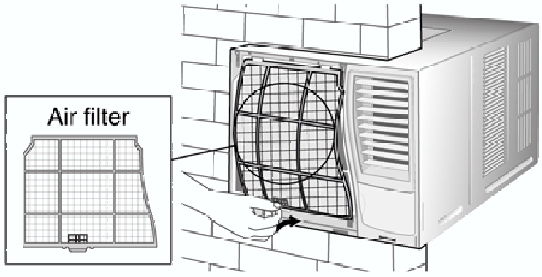
  Pull up the front intake grille about 90° and slide it slightly to the left to unhook the tabs.



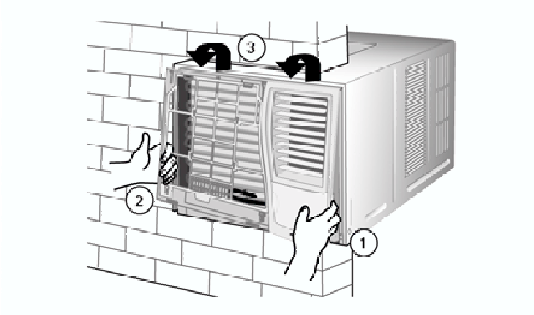
Caution: Do not raise the front intake grille any higher than 90° to the unit or damage to the tabs may occur.

- Remove the air filter.

  Tilt up and pull out the air filter by holder.



- Remove the front grille.
  1. At bottom right side of the front grille, press inward on cabinet near the power cord, and pull the grille outward to the right until right tab releases.
  2. At bottom left side, push inward on cabinet and pull the grille outward to the left to release the left tab. Do not pull the bottom edge toward you more than 7.62cm to prevent two top tabs from damage.
  3. Slide the front grille upwards to free the two top tabs from slots at the top of the cabinet.

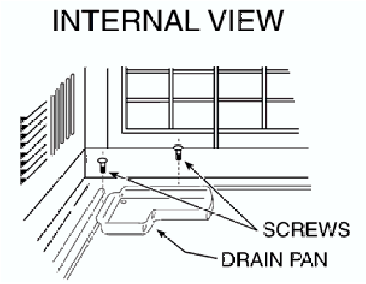


8.3.3. Condensed water drainage

In order to drain off the condensed water, it is recommended that you install a drain pan using the following procedure.

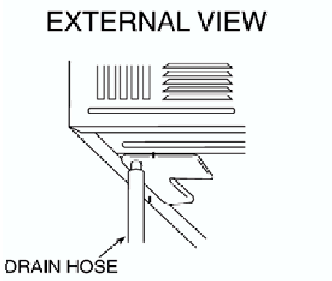
- Slide the chassis out from the cabinet.

- Install the drain pan.



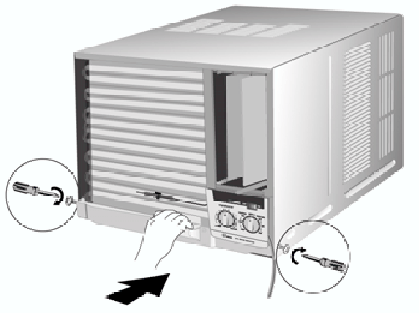
Install the drain pan at the left corner of the cabinet using 2 screws.

- Connect a drain hose. Fit the drain hose to the drain pan.



NOTE: Drain hose or tubing can be purchased locally to satisfy your particular needs.

- Slide the chassis back into the cabinet. Reinstall the cabinet to the chassis by using screws.

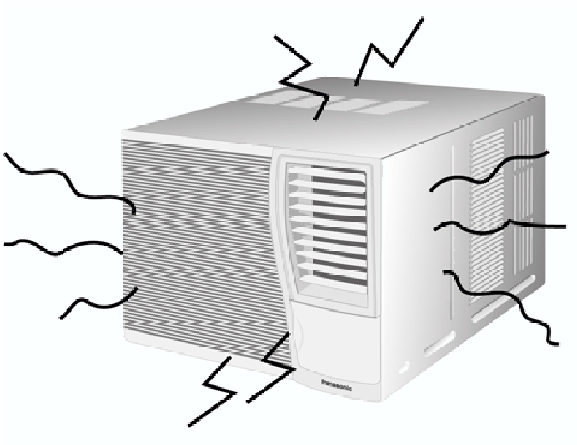


8.4. Electric Work

- Always use at the rated voltage and with a specific air conditioning circuit.
- Some installation locations may require the installation of a short-circuit breaker.
- A 16 Ampere time delay fuse or circuit breaker is required.
- Nominal cross sectional area of power supply wire must be 3 core x 1.0 mm^2 or above.
- The power supply must be from an independent circuit.
- All electrical installations must be made in accordance with local wiring and safety regulations wherever applicable.
- There must be a double pole switch with a minimum of 3 mm contact gap in the fixed installation circuit.
- Please engage an authorized dealer or specialist for the installation work.

8.5. Noise Consideration

- Select an installation location that can support the weight of the air conditioner and one that will not cause increased operating noise and vibration.
- Ensure that airflow and noise from the rear side of the unit (outdoor) when installed do not disturb neighboring residents.
- Obstacles placed in front of the air outlet on the rear side of the unit (outdoor), or covers placed over it will cause excessive noise and deterioration in performance.



8.6. Transferring

- Repositioning or transfer of the air conditioner due to renovation or moving requires an additional service charge. Please consult your dealer before moving.

9 Care and Maintenance

⚠ **Caution:**
Always turn off the air conditioner and the main power supply before clean the unit.
Switch off the power supply if the unit is not going to be used for a long period of time.

- Clean the cabinet, front grille with a mild soap or detergent and lukewarm water.
- The front intake grille can be easily removed for cleaning purposes (refer to **Remove the front intake grille** procedures). Gently wash it with water and a sponge.
- The filter can be easily cleaned using a vacuum cleaner. Vacuum the front of the filter and then wash the rear with water. If it is badly soiled, wash with a mild household detergent.
- Do not clean with benzene, thinner, scouring powder or cloth soaked in caustic chemicals.
- If the unit is extremely dirty, heat transfer is less efficient and the unit may not cool effectively. Contact your nearest service centre for an annual check. (Annual check is not covered under warranty)
- If the air filter becomes clogged with dust, the cooling or heating capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

NOTE
Do not dry the front panel or the air filter in direct sunlight. (Exposure to direct sunlight may discolor or deform the panel.)